

pin directly contacts and prevents operation of the trigger when the blocking assembly is activated;

a power source to supply power to the safety system; and

a power control unit, electrically connected to the blocking assembly and the power source, to control power supply from the power source to the blocking assembly to activate the blocking assembly.

16. (Amended) The safety system for a firearm of claim 15, wherein the blocking assembly further comprises:

an output shaft connected to the gear train to translate a rotary output of the gear train to an axial movement of the pin.

17. (Amended) The safety system for a firearm of claim 16, wherein the trigger is provided with one aperture for receiving the pin when the trigger is in a cocked position, and another aperture for receiving the pin when the trigger is in an uncocked position upon activation of the axial moving element.

#### REMARKS

Applicants hereby supplement their January 22, 2003, Amendment After Final by rewriting their amended claims as required by 37 C.F.R. § 1.121(c). The amended claims "in clean form" are presented above. The amended claims "marked up to show all the changes relative to the previous version" of those claims are attached as an Appendix.

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